

APR 09 2007

PATENT APPLN. NO. 10/507,423
RESPONSE UNDER 37 C.F.R. §1.111

PATENT
NON-FINAL

IN THE CLAIMS:

1. (canceled)

2. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is classified in connection with felling the wood or in a plant or at some stage of the chain between the stub and pulping, the stub and grinding or a (C)TMP refiner.

3. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is classified mechanically.

4. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material originates in a tree that has a periodic growth habit.

5. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is softwood.

6. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is hardwood.

7. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the fibre dimension property refers to the fibre length or the fibre coarseness.

8. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is classified according to the number of annual rings into different categories, the number of which is 2 to 60.

9. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is classified by log or group of logs according to the number of annual rings into the following categories: less than 20 annual rings, 21 to 30 annual rings, 31 to 40 annual rings, over 40 annual rings.

10. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is classified by log or group of logs according to the number of annual rings into the following categories: less than 10 annual rings, less than 20 annual rings, less than 30 annual rings, less than 40 annual rings, less than 50 annual rings and over 50 annual rings.

11. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the wood material is classified by log or group of logs according to the number of annual rings into various categories, and the desired fibre length is obtained by selecting the wood material separately from a certain category or by fully or partly combining wood materials obtained from various categories.

12. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the method can be used to manufacture mechanical, chemical or chemi-mechanical pulp.

13. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the material is softwood and, to obtain a fibre length (the mean value weighted by the length) of less than 2.0 mm, a wood material is selected, wherein the number of the log's annual rings at the butt of the log is less than 20 annual rings.

14. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the material is softwood and, to obtain a fibre length (the mean value weighted by the length) of

2.0...2.3, a wood material is selected, wherein the number of the log's annual rings at the butt of the log is 21 to 30 annual rings.

15. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the material is softwood and, to obtain a fibre length (the mean value weighted by the length) of 2.3...2.5, a wood material is selected, wherein the number of the log's annual rings at the butt of the log is 31 to 40 annual rings.

16. (currently amended) A method according to ~~claim 1~~ claim 17, characterized in that the material is softwood and, to obtain a fibre length (the mean value weighted by the length) of 2.5...3.5, a wood material is selected, wherein the number of the log's annual rings at the butt of the log is over 40 annual rings.

17. (previously presented) A method for manufacturing pulp that has preselected fibre dimension properties, characterized in that

- wood with a periodic growth habit is used as wood material,
- the wood material is classified by log or group of logs according to the number of annual rings into categories, which represent fibre length and/or coarseness,

- the raw material is selected separately from a certain category or by combining the raw materials of the various categories partly or fully so that the preselected fibre dimension properties are achieved, and

-mechanical, chemical or chemi-mechanical pulp is manufactured of the wood material.

18. (original) A method for manufacturing a fibrous product that has preselected fibre dimension properties, characterized in that

- annual ring categories of the wood material are determined by logs or groups of logs according to the number of annual rings, representing a certain fibre dimension,

- the wood material is selected from a category of annual rings that provides the preselected fibre dimension properties,

- mechanical, chemical or chemi-mechanical pulp is manufactured from the wood material, and

- the fibre product is made of the pulp.

19. (previously presented) A method according to claim 8, characterized in that the wood material is classified according to

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the number of annual rings into different categories, the number of which is 2 to 6.